

ABSTRACT OF THE DISCLOSURE

A solid state imaging device including a plurality of two-dimensionally arrayed light receiving pixels which generate electrical charges according to the strength of the incident light; at least two accumulating pixels for each of the light receiving pixels for accumulating signal electrical charges generated by the light receiving pixel, so that a plurality of frames of different times can be stored; a light shield for shutting off light entering the accumulating pixels and having an aperture at each of the light receiving pixels; and an opaque cover having a low reflectivity and laid over the light shield. The low reflectivity opaque cover, or the anti-reflection cover, has the same pattern as the light shield. Thus the incident light hardly reflects on the anti-reflection cover, and the harmful multiply reflecting lights are minimized. Further, the incident light hardly passes through the anti-reflection cover. Thus the light reflected by the light shield is absorbed by the anti-reflection cover so that no scattered light is produced. These improve the S/N ratio and prevents smears or interference fringes when laser illumination is used.